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| EXAMINER |
|---|
| TRAN, QUOC A |

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| SHORTENED STATUTORY PERIOD OF RESPONSE | MAIL DATE | DELIVERY MODE |
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

PTOL-90A (Rev. 10/06)

| | Application No. | Applicant(s) |
|---|---|---|
| | 10/822,232 | TREIBACH-HECK ET AL. |
| *Office Action Summary* | Examiner | Art Unit | |
| | Tran A. Quoc | 2176 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1)☒ Responsive to communication(s) filed on <u>10-26-2006</u>.

2a)☐ This action is **FINAL**.    2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4)☒ Claim(s) *1-18* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-18* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All  b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail. Date. _____.

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

## DETAILED ACTION

1.      This action is a non-final rejection in response amendment filed on 10-26-2006

2.      Claims 1-18 are pending.

3.      Effective filing date 04-08-2004 benefits from CIP of 10/003,339 filed 10-03-2001.

### *Response to Argument*

4.      Applicant's Remarks filed on 10-26-2006 with respect to claim 1-18 have been

considered but are moot in view of the new ground(s) of rejection. This office action is a Non-

Final Rejection in order to give the applicant sufficient opportunity to response to the new line of

rejection.

### *Claim Rejections - 35 USC § 112*

5.      The following is a quotation of the second paragraph of 35 U.S.C. 112:

> *The specification shall conclude with one or more claims particularly pointing out and distinctly*
> *claiming the subject matter which the applicant regards as his invention.*

Claims 1-11 is rejected under 35 U.S.C. 112 second paragraph, as being indefinite for

failing to particularly point out and distinctly claim the subject matter which applicant regards as

the invention.

Regarding claim 1, the phrase "and/or " renders the claim(s) indefinite because the

claim(s) include(s) elements not actually disclosed (those encompassed by "and/or"). For

example claim 1 discloses "the originator and/or user", thereby rendering the scope of the

claim(s) unascertainable.  See MPEP § 2173.05(d).

Dependent claims 2-11 are rejected as being dependent upon a rejected base claims.

Clarification and/or correction are required.

## *Claim Rejections - 35 USC § 103*

6.      The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all
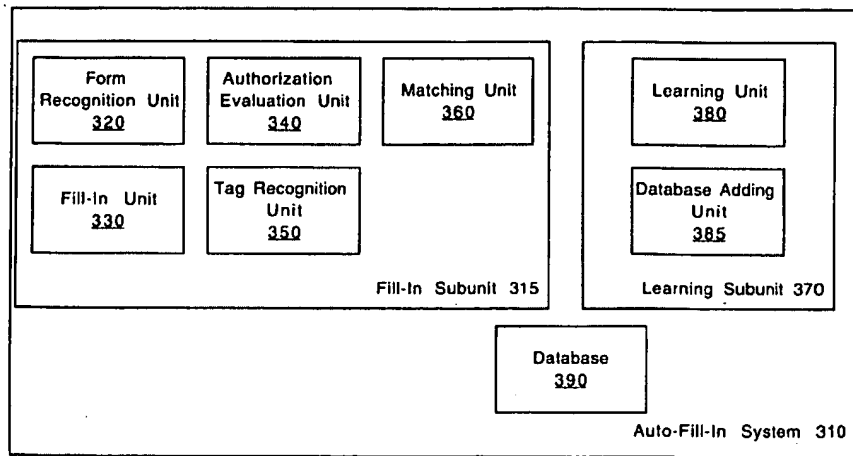obviousness rejections set forth in this Office action:

*(a) A patent may not be obtained though the invention is not identically disclosed or described as set
forth in section 102 of this title, if the differences between the subject matter sought to be patented and
the prior art are such that the subject matter as a whole would have been obvious at the time the
invention was made to a person having ordinary skill in the art to which said subject matter pertains.
Patentability shall not be negatived by the manner in which the invention was made.*

**Claims 1, 5-6 and 9-18** are rejected under 35 U.S.C. 103(a) as being unpatentable over

Light et al. US 20030033167A1- filed 03-31-1998 (hereinafter Light), in view of Maxwell et

al. US US006589290B1- filed 10-29-1999 (hereinafter Maxwell).

**Regarding independent claim 1,** Light teaches **an originating system associated with**

**an originator, a user, a client system, a center system, and a user system associated with a**

**user.** Specifically, Light discloses a user's system, a client, are coupled to a network. Servers

are coupled to the network. Also the server item may be the same computer as the client; these

servers provide Web pages to the user via the network. These Web pages may include forms

(see Light at col. 2, lines 5-20).

In addition, Light teaches **an identifier-generating software module** provides

plurality of unit item includes the auto-fill-in system 310, a fill-in subunit 315 and a learning

subunit 370. The fill-in subunit 315 includes a form recognition unit 320. When a form is

included in the web page the form recognition unit 320 notes that there is a form. Whereby the

form includes a hypertext markup language (HTML) tag such as "form", or "input type,"

indicating that it is a form or that it requires user input. The auto-fill-in system 310 then inspects

the source code for the page, and recognizes tags associated with blank spaces in the form, see

example bellows,

```
┌─────────────────────────────────────────────────────────────────────────┐
│  ┌──────────────────────────────────────────┐   ┌──────────────────────┐ │
│  │ ┌──────────┐ ┌──────────┐ ┌──────────┐   │   │  ┌────────────────┐  │ │
│  │ │  Form    │ │Authoriza-│ │ Matching │   │   │  │  Learning Unit │  │ │
│  │ │Recognition│ │tion      │ │ Unit     │   │   │  │     380        │  │ │
│  │ │ Unit      │ │Evaluation│ │  360     │   │   │  └────────────────┘  │ │
│  │ │  320      │ │Unit      │ └──────────┘   │   │                      │ │
│  │ └──────────┘ │  340     │                │   │  ┌────────────────┐  │ │
│  │              └──────────┘                │   │  │Database Adding │  │ │
│  │ ┌──────────┐ ┌──────────┐                │   │  │    Unit        │  │ │
│  │ │ Fill-In  │ │   Tag    │                │   │  │    385         │  │ │
│  │ │  Unit    │ │Recognition│               │   │  └────────────────┘  │ │
│  │ │  330     │ │  Unit    │                │   │                      │ │
│  │ └──────────┘ │  350     │                │   │  Learning Subunit 370│ │
│  │              └──────────┘                │   └──────────────────────┘ │
│  │                        Fill-In Subunit 315│                            │
│  └──────────────────────────────────────────┘                            │
│                        ┌────────────────┐                                 │
│                        │   Database     │                                 │
│                        │     390        │                                 │
│                        └────────────────┘                                 │
│                                            Auto-Fill-In System  310       │
└─────────────────────────────────────────────────────────────────────────┘
```

## Fig. 3

We encourage you to enter your credit card number
on-line, this is why it's secure. However, you also have
the option of phoning us with the number.

Please enter your e-mail address: [          ]

My password is: [          ]

Have you forgotten your password?

My credit card type is:   O MC   O Visa   O AmEx

My credit card number is: [          ]

It is noted that Light's Fig. 3 shows auto-fill-in system with plurality of sub unit (items

320, 340, 360, etc.), which would be active upon user selection as illustrates above, can

reasonably interprets as, *"an identifier-generating software module"*.

In addition, Light teaches **a form-handling software module in the client system**

**comprising computer executable code for sensing a request for the a requestor-specific**

**form by the originator, for entering first automatically extractable data onto an instance of**

**the requestor-specific form, and for generating a command to produce the requestor**

**specific form for the originator**, and **an intercepting software module comprising**

**computer-executable code for sensing the command to produce the requestor-specific form.**

For example, Light discloses a user's system, a client item 110, is coupled to a network item 120.

Servers item 130 are coupled to the network 120. Also the server item 130 may be the same

computer as the client 110; these servers provide Web pages to the user via the network 120.

These Web pages may include forms (see Light at col. 2, lines 5-20). Also Light discloses

plurality of unit item includes the auto-fill-in system 310, a fill-in subunit 315 and a learning

subunit 370. The fill-in subunit 315 includes a form recognition unit 320. When a form is

included in the web page the form recognition unit 320 notes that there is a form. Whereby the

form includes a hypertext markup language (HTML) tag such as "form", or "input type,"

indicating that it is a form or that it requires user input. The auto-fill-in system 310 then inspects

the source code for the page, and recognizes tags associated with blank spaces in the form (see

Light at col. 2, line 50 through col. 3, line 20- also see Fig. 3).

Furthermore, Light teaches **the identifier-generating software module thereupon**

**generating a requestor-specific identifier uniquely identifying the instance of the**

**requester-specific form.** Specifically, Light discloses a user's system, a client item 110, are

coupled to a network item 120. Servers item 130 are coupled to the network 120. Also the server

item 130 may be the same computer as the client 110; these servers provide Web pages to the

user via the network 120. These Web pages may include forms (see Light at col. 2, lines 5-20).

Also Light provides plurality of unit item includes the auto-fill-in system 310, a fill-in subunit

315 and a learning subunit 370. The fill-in subunit 315 includes a form recognition unit 320.

When a form is included in the web page the form recognition unit 320 notes that there is a form.

Whereby the form includes a hypertext markup language (HTML) tag such as "form", or "input

type," indicating that it is a form or that it requires user input. The auto-fill-in system 310 then

inspects the source code for the page, and recognizes tags associated with blank spaces in the

form (see Light at col. 2, line 50 through col. 3, line 20- also see Fig. 3).

Also, Light teaches **augmenting the instance of the requestor-specific form with a**

**requestor-specific identifier.** For example, Light discloses

We encourage you to enter your credit card number
on-line, this is why it's secure. However, you also have
the option of.phoning us with the number.

Please enter your e-mail address: [          ]

My password is:                [          ]

Have you forgotten your password?

My credit card type is:  O MC   O Visa   O AmEx

My credit card number is:      [          ]

Wherein, the tag recognition unit 350 then scans the form, and determines what the form is

asking for (i.e. "email"). Alternately, the tag recognition unit 350 may recognize the label

displayed to the user for the specified entry (i.e. "please enter your e-mail address" may be

recognized by the tag recognition unit 350, and "e-mail address" extracted from it. Once the tag

recognition unit 350 has extracted a tag, it passes the tag to the matching unit 360. The matching

unit 360 searches in the database 390 for a similar tag (Light at col. 3, lines 5-65).

In addition, Light teaches **a form-processing software module within the center system and comprising computer-executable code for storing an association of the identifier with the instance of the requestor-specific form.** Specifically, Light discloses the auto-fill-in system includes a form recognition units item 320 embedded in computer system item 200 includes a main memory 203, a dynamic storage device for storing information and instructions to be executed. Main memory 203 also may be used for storing temporary variables or other intermediate information during execution of instructions (Light col. 2 lines 25-65, fig. 2-3). Also Light discloses at block 595, the new tag and new data associated with it are added to the database. For another embodiment, the tag and data are automatically added to the database see Light at col. 7, lines 10-20).

In addition, Light teaches **receiving the augmented instance of the requestor-specific form after handling by the originator and/or user, for comparing the requestor-specific identifier of the received requestor-specific form against the association.** For example, Light discloses a user's system, a client, item 110, and are coupled to a network item 120. Servers item 130 are coupled to the network 120. Also the server item 130 may be the same computer as the client 110; these servers provide Web pages to the user via the network 120. These Web pages may include forms; also (see Light at col. 2, line 50 through col. 3, line 20- also see Fig. 3) provides plurality of unit item such as, the auto-fill-in system 310 includes a fill-in subunit 315 and a learning subunit 370. The fill-in subunit 315 includes a form recognition unit 320. When a form is included in the web page the form recognition unit 320 notes that there is a form. Whereby the form includes a hypertext markup language (HTML) tag such as "form", or "input type," indicating that it is a form or that it requires user input. The auto-fill-in system 310 then

inspects the source code for the page, and recognizes tags associated with blank spaces in the

form (see Light at col. 2, lines 5-20).

Light does not explicitly teach, but Maxwell teaches **automatically routing an image**

**of the received requester-specific form to a destination indicated in a corresponding entry**

**in a configuration file**. Specifically, Maxwell discloses a method of form completion program

executes the data population command when a graphical representation of a particular data set is

placed over the form. Each data set is stored in an encrypted manner and is accessible to users

who enter the appropriate information into an authentication mechanism. To populate a form

with data the form completion program obtains an image of the form and then searches for a

template file that resembles the form image to within a certain threshold. The template files are

typically stored on the computer hosting the target application in a template directory that is

arranged according to a predefined structure (Maxwell col. 8 lines 25-60).

The Examiner equates the claimed **automatically routing** as equivalent to Maxwell's

form completion program capable of obtaining web pages that contain forms from the Internet

wherein a form, can be embedded inside of a web page using the Hyper Text Markup Language

(HTML).

It would have been obvious to one of ordinary skill in the art at the time of the

invention to apply Maxwell to Light (using Light's automatically filled into the form from a

database (i.e. a form included in the web page is recognized and Data is automatically filled

into the form from a database - see Light column 1 line 45), providing Light the benefit of

decrypting and displaying the specific-form to user with a target application (i.e. web browser)

– see Maxwell col. 8, lines 5-15).

**Regarding independent claim 12,** the rejection of claim 1 is fully incorporated. In addition, Light does not explicitly teach, but Maxwell teaches **automatically routing an image of the received requestor-specific form to a destination indicated by rules that trigger actions based on predefined request-specific.** Specifically, Maxwell discloses a method of form completion program executes the data population command when a graphical representation of a particular data set is placed over the form. Each data set is stored in an encrypted manner and is accessible to users who enter the appropriate information into an authentication mechanism. To populate a form with data the form completion program obtains an image of the form and then searches for a template file that resembles the form image to within a certain threshold. The template files are typically stored on the computer hosting the target application in a template directory that is arranged according to a predefined structure (Maxwell col. 8 lines 25-60). The Examiner equates the claimed **automatically routing** as equivalent to Maxwell's form completion program capable of obtaining web pages that contain forms from the Internet wherein a form, can be embedded inside of a web page using the Hyper Text Markup Language (HTML).

It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Maxwell to Light (using Light's automatically filled into the form from a database (i.e. a form included in the web page is recognized and Data is automatically filled into the form from a database - see Light column 1 line 45), providing Light the benefit of decrypting and displaying the specific-form to user with a target application (i.e. web browser) – see Maxwell col. 8, lines 5-15).

**Regarding independent claim 18,** the rejection of claim 1 is fully incorporated.

Regarding claims 5-6, Light teaches **a coordinating system connected by network to both the client system and the center system for transmitting information identifying the instance of the requestor-specific form to the center system from the client system, in which the coordinating system is a web service.** Specifically, Light discloses Light discloses a user's system, a client item 110 is coupled to a network item 120. Servers item 130 are coupled to the network 120 that provide Web pages to the user via the network 120. These Web pages may include forms- These Web pages may include forms (see Light at col. 2, lines 5-20).

Regarding claim 9, Light teaches **automatically extracting data from the received requestor-specific form.** Specifically, Light discloses the form auto-fill-in system (Light at col. 2, lines 5-20).

Regarding claim 10, Light does not explicitly teach, but Maxwell teaches **the form processing module includes a format conversion module comprising computer-executable code for automatically converting the extracted data into any of a plurality of predetermined formats for transmission of the extracted data to a recipient in the format that is associated with that recipient.** Specifically, Maxwell describes once a file is sent from web server to web client; it becomes ready for display. The web client's web browser is typically used to format and display files (i.e. web browsers include Netscape Navigator, Internet Explorer, and Opera. Some web browsers can display several different types of files. For example, files written using the Hyper Text Markup Language (HTML); the JavaScript programming language, the ActiveX programming language, or the Portable Document Format (PDF) may be displayed using a web browser. It is also possible to display various other types

of files using language such as Standard Generalized Markup Language (SGML) or Extensible

Markup Language (XML) (see Maxwell at col. 8, lines 25-60).

It would have been obvious to one of ordinary skill in the art at the time of the invention

to apply Maxwell to Light (using Light's automatically filled into the form from a database (i.e. a

form included in the web page is recognized and Data (plurality of format) is automatically filled

into the form from a database - see Light column 1 line 45), providing Light the benefit of

decrypting and displaying the specific-form to user with a target application (i.e. web browser) –

see Maxwell col. 8, lines 5-15).

**Regarding claim 11,** Light does not explicitly teach, but Maxwell teaches, **the center**

**system is an intermediary system between multiple parties for transmission of data**

**extracted from requestor- specific forms sent from different users to any of the multiple**

**parties.** Specifically, Maxwell describes once a file is sent from web server to web client; it

becomes ready for display. The web client's web browser is typically used to format and

display files (i.e. web browsers include Netscape Navigator, Internet Explorer, and Opera.

Some web browsers can display several different types of files. For example, files written using

the Hyper Text Markup Language (HTML), the JavaScript programming language, the

ActiveX programming language, or the Portable Document Format (PDF) may be displayed

using a web browser. It is also possible to display various other types of files using language

such as Standard Generalized Markup Language (SGML) or Extensible Markup Language

(XML) (see Maxwell at col. 8, lines 25-60).

It would have been obvious to one of ordinary skill in the art at the time of the invention

to apply Maxwell to Light (using Light's automatically filled into the form from a database (i.e. a

form included in the web page is recognized and Data (plurality of format) is automatically filled

into the form from a database - see Light column 1 line 45), providing Light the benefit of

decrypting and displaying the specific-form to user with a target application (i.e. web browser) –

see Maxwell col. 8, lines 5-15).

**Regarding claims 13-14,** the rejection of claims 4-5 are fully incorporated. In addition,

Light does not teach, but Maxwell teaches **issuing a message to at least one recipient as part**

**of the automatic routing.** Specifically, Maxwell discloses computer 800 can send messages and

receive data, including program code, through the network(s), network link 841, and

communication interface 840. In the Internet example, remote server computer 846 might

transmit a requested code for an application program through Internet 845, ISP 844, local

network 844 and communication interface 840 (see Maxwell at col. 20, lines 15-25 also

see Fig. 8).

It would have been obvious to one of ordinary skill in the art at the time of the invention

to apply Maxwell to Light (using Light's automatically filled into the form from a database (i.e. a

form included in the web page is recognized and Data (plurality of format) is automatically filled

into the form from a database - see Light column 1 line 45), providing Light the benefit of

decrypting and displaying the specific-form to user with a target application (i.e. web browser) –

see Maxwell col. 8, lines 5-15).

**Regarding claim 15,** Light teaches **the conditions are also a function of at least one**

**item of the extracted data**. For example, Light discloses Light discloses the form auto-fill-in

system (Light at col. 2, lines 5-20).

Regarding claim 16, Light teaches **the conditions include pre- determined conditions**. For example, Light discloses a learning subunit 370. The fill-in subunit 315 includes a form recognition unit 320. When a form is included in the web page the form recognition unit 320 notes that there is a form. Whereby the form includes a hypertext markup language (HTML) tag such as "form", or "input type," indicating that it is a form or that it requires user input. The auto-fill-in system 310 then inspects the source code for the page, and recognizes tags associated with blank spaces in the form (Light at col. 2, line 50 through col. 3, line 20- also see Fig. 3).

Regarding claim 17, Light teaches **the pre-determined conditions are selected from a group consisting of form transmission errors, form reception errors, form completion errors and conditions associated with predetermined routing categories.** For example, Light provides plurality of unit item includes the auto-fill-in system 310, a fill-in subunit 315 and a learning subunit 370. The fill-in subunit 315 includes a form recognition unit 320. When a form is included in the web page the form recognition unit 320 notes that there is a form. Whereby the form includes a hypertext markup language (HTML) tag such as "form", or "input type," indicating that it is a form or that it requires user input. The auto-fill-in system 310 then inspects the source code for the page, and recognizes tags associated with blank spaces in the form (see Light at col. 2, line 50 through col. 3, line 20- also see Fig. 3).

Claims 2-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over are rejected under 35 U.S.C. 103(a) as being unpatentable over Light et al. US 20030033167A1- filed 03-31-1998 (hereinafter Light), in view of Maxwell et al. US US006589290B1- filed 10-29-1999

(hereinafter Maxwell), further in view of Bernklau-Halvor US 20030110413A1- filed

06/19/2001 (hereinafter Bernklau-Halvor).

**Regarding claim 2,** the rejection of claim 1 is fully incorporated. In addition Light and

Maxwell do not teach, but Bernklau-Halvor teaches, **the intercepting software module is a**

**driver installed in the client.** Specifically, Bernklau-Halvor discloses a printer diver within the

user personal computer commanding by user that causes the user's web browser to display the

form rendering from the web server  (see Bernklau-Halvor page 3 paragraph [0029]).

It would have been obvious to one of ordinary skill in the art at the time of the

invention to apply Bernklau-Halvor to Light and Maxwell (using Maxwell's form completion

program -see Maxwell at col. 8, lines 5-10 in combination with Light's automatically filled into

the form from a database (i.e. a form included in the web page is recognized and Data is

automatically filled into the form from a database - see Light column 1 line 45), providing a

printer with printer diver within the user computer (i.e. client system) to produce Light and

Maxwell specific-form download from web server via internet and user's web browser.

**Regarding claim 3,** the rejection of claim 1 is fully incorporated. In addition Light and

Maxwell do not teach, but Bernklau-Halvor teaches, **a command a standard printer driver**

**within the client system.** Specifically, Bernklau-Halvor discloses a printer diver within the user

personal computer commanding by user that causes the user's web browser to display the form

rendering from the web server  (see Bernklau-Halvor page 3 paragraph [0029]).

It would have been obvious to one of ordinary skill in the art at the time of the

invention to apply Bernklau-Halvor to Light and Maxwell (using Maxwell's form completion

program -see Maxwell at col. 8, lines 5-10 in combination with Light's automatically filled into

the form from a database (i.e. a form included in the web page is recognized and Data is

automatically filled into the form from a database - see Light column 1 line 45), providing a

printer with printer diver within the user computer (i.e. client system) to produce Light and

Maxwell specific-form download from web server via internet and user's web browser.

     **Regarding claim 4,** the rejection of claim 1 is fully incorporated. In addition,

Light teaches **a command to download the form the originate system over a network.**

Specifically, Light discloses a user's system, a client item 110 is coupled to a network item 120.

Servers item 130 are coupled to the network 120 that provide Web pages to the user via the

network 120. These Web pages may include forms- These Web pages may include forms (see

Light at col. 2, lines 5-20).

     It would have been obvious to one of ordinary skill in the art at the time of the

invention to apply Light to Bernklau-Halvor and Maxwell (using Maxwell's form completion

program -see Maxwell at col. 8, lines 5-10 in combination with Light's automatically filled into

the form from a database (i.e. a form included in the web page is recognized and Data is

automatically filled into the form from a database - see Light column 1 line 45), providing a

printer with printer diver within the user computer (i.e. client system) to produce Light and

Maxwell specific-form download from web server via internet and user's web browser.


     **Claims 7-8** are rejected under 35 U.S.C. 103(a) as being unpatentable over are rejected

under 35 U.S.C. 103(a) as being unpatentable over Light et al. US 20030033167A1- filed 03-31-

1998 (hereinafter Light), in view of Maxwell et al. US US006589290B1- filed 10-29-1999

(hereinafter Maxwell), further in view of Tsujit et al. US20010016856A1- filed 01-19-2001

(hereinafter Tsujit).

**Regarding claim 7,** the rejection of claim 1 is fully incorporated. In addition, Light and

Maxwell do not teach, but Tsujit teaches **associating the handwritten comment filed with a**

**corresponding report item.** Specifically, Tsujit discloses a form with handwritten characters

relates to the form (see Tsujit page 4 paragraph [0068] also see Fig. 6).

It would have been obvious to one of ordinary skill in the art at the time of the invention

to apply Tsujit to Light and Maxwell (using Maxwell's form completion program -see Maxwell

at col. 8, lines 5-10 in combination with Light's automatically filled into the form from a

database (i.e. a form included in the web page is recognized and Data is automatically filled into

the form from a database - see Light column 1 line 45), represents an electronic form reflecting

the entries into the form and displayed on the display or print out by the printer of Light and

Maxwell specific-form download from web server via internet and user's web browser.

**Regarding claim 8,** the rejection of claims 1 and 7 are fully incorporated. In addition,

Light and Maxwell do not teach, but Tsujit teaches **automatically extracting the handwritten**

**comment field as a sub-image and then converting the sub-image into a displayable format.**

For example, Tsujit discloses a form with handwritten characters relates to the form using on-

line-character-recognition basis, such as recognize the identifying letter, then detect the position

of the form with respect to the main unit and then format data of the electronic form

corresponding to the recognized letter is read from the form-format database to specify the

format of the electronic form. Subsequently, the blank electronic form to be filled through the

input pen is displayed on the display (see Tsujit page 5 paragraphs [0071]-[0074]) also see Fig.

6). The Examiner equates the claimed **automatically extracting the handwritten** as equivalent

to Tsujit's on-line-character-recognition to convert hand written script into on-line-character

without human intervention.

It would have been obvious to one of ordinary skill in the art at the time of the invention

to apply Tsujit to Light and Maxwell (using Maxwell's form completion program -see Maxwell

at col. 8, lines 5-10 in combination with Light's automatically filled into the form from a

database (i.e. a form included in the web page is recognized and Data is automatically filled into

the form from a database - see Light column 1 line 45), represents an electronic form reflecting

the entries into the form and displayed on the display or print out by the printer of Light and

Maxwell specific-form download from web-server via internet and user's web browser.


### *Conclusion*

7.      The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

Anderson                          US 20030033226A1              filed 08-13-2001


8.      Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Quoc A. Tran whose telephone number is 571-272-8664.  The

examiner can normally be reached on 9AM - 5PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Herndon R. Heather can be reached on 571-272-4136.  The fax phone number for the

organization where this application or proceeding is assigned is (571)-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*Patent Examiner*
*Technology Center 2176*
*01-05-2007*

Heather R. Herndon
Supervisory Patent Ex~~~
Technology C~